

SURFACE-MODIFIED MIXED OXIDES CONTAINING PRECIOUS METAL
AND TITANIUM, FOR THE SELECTIVE OXIDATION OF HYDROCARBONS

ABSTRACT OF THE DISCLOSURE

This invention relates to a process for the production of a composition containing gold and/or silver particles, mixed oxides containing titanium and silicon which have been surface-modified, to the compositions producible in this process and to the use thereof in processes for the selective oxidation of hydrocarbons in the presence of oxygen and a reducing agent. The catalytically active compositions exhibit constantly high selectivities and productivities.